

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Mei Xu Examiner #: 72539 Date: 8/31/04
Art Unit: 2644 Phone Number 30 _____ Serial Number: 101722385
Location: rd 2 8407 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*


US 5,729,613

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>KJ</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	<u>Dialog</u>
Searcher Location: _____	Structure (#) _____	<u>Questel/Orbit</u>
Date Searcher Picked Up: <u>8/31</u>	Bibliographic _____	Dr. Link _____
Date Completed: <u>8/31</u>	Litigation <u>X</u>	<u>Lexis/Nexis</u>
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>25</u>	Other _____	Other (specify) _____

Query/Command : prt max legalall

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN -  US5729613 A 19980317 [US5729613]
TI - (A) Reverberators for use in wide band assisted reverberation systems
PA - (A) IND RES LTD (NZ)
PA0 - Industrial Research Limited, [NZ]
IN - (A) POLETTI MARK (NZ)
AP - US62454796 19960415 [1996US-0624547]
FD - PCT/NZ94/00110 19941017 [1994WO-NZ00110]
 WO95/10831 19950420 [WO9510831]
PR - WONZ9400110 19941017 [1994WO-NZ00110]
 NZ24897093 19931015 [1993NZ-0248970]
IC - (A) H03G-003/00
EC - G10K-015/12
 H04S-003/02
 H04S-005/00
PCL - ORIGINAL (O) : 381063000; CROSS-REFERENCE (X) : 084630000
DT - Corresponding document
CT - US4338581; US4366346; US4803731; US5109419; US5131051; US5142586;
 US5247474; US5297210; US5530762; US5555306; US5621801; EP0335468;
 EP0480561; DE4022217; JP4348399; WO9323847
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STG - (A) United States patent

AB - PCT No. PCT/NZ94/00110 Sec. 371 Date Apr. 15, 1996 Sec. 102(e) Date Apr. 15, 1996 PCT Filed Oct. 17, 1994 PCT Pub. No. WO95/10831 PCT Pub. Date Apr. 20, 1995A multi-channel reverberation system has a substantially constant multi-channel power gain at audio frequencies and comprises multiple signal inputs, one for each input channel, a number of comb filter networks connected to each signal input, each comb filter network including a feed forward stage, a cross-coupling network cross-coupling the comb filters to increase the reverberation echo density, and multiple signal outputs, one for each output channel. Preferably the feed forward stage of each comb filter provides a substantially constant multi-channel power gain at audio frequencies and the cross-coupling matrix is an orthogonal cross-coupling matrix cross-coupling a number of single channel allpass comb filters, positioned immediately before or after the delay lines, to create a multi-channel allpass comb filter with a unitary transfer function matrix at all frequencies.

1 / 1 LGST - ©EPO

PN -  US5729613 A 19980317 [US5729613]

AP - US62454796 19960415 [1996US-0624547]

ACT - 19960521 US/AS02-A
 ASSIGNMENT OF ASSIGNOR'S INTEREST
 OWNER: INDUSTRIAL RESEARCH LIMITED GRACEFIELD ROAD
 LOWER; EFFECTIVE DATE: 19960411


19960521 US/AS02-A
 ASSIGNMENT OF ASSIGNOR'S INTEREST
 OWNER: POLETTI, MARK; EFFECTIVE DATE: 19960411

19980623 US/CC-A
 CERTIFICATE OF CORRECTION

20040210 US/RF-A
 REISSUE APPLICATION FILED
 EFFECTIVE DATE: 20031125

UP - 2004-08

1 / 1 CRXX - ©CLAIMS/RRX

PN -  5,729,613 A 19980317 [US5729613]
PA - Industrial Research Ltd NZ
ACT - 20031125 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20040210
REISSUE REQUEST NUMBER: 10/722385
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2743

Reissue Patent Number:

Search statement 6

LEVEL 1 - 1 OF 1 PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5729613

<=1> GET 1st DRAWING SHEET OF 4

March 17, 1998

Reverberators for use in wide band assisted reverberation
systems

REISSUE: November 25, 2003 - Reissue Application filed Ex. Gp.: 2743; Re. S.N.
10/722,385 (O.G. February 10, 2004)

APPL-NO: 624547 (08)

FILED-DATE: April 15, 1996

GRANTED-DATE: March 17, 1998

CORE TERMS: reverberation, frequency, filter, matrix, sup, reverberator,
channel, comb, sub, microphone ...

LEXIS-NEXIS
Library: PATENT
File: ALL

5,729,613 OR 5729613

LEXIS-NEXIS
Library: PATENT
File: CASES

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File: JNLS

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File: CURNWS

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6/39/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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Basic Patent (No,Kind,Date): WO 9510831 A1 19950420 <No. of Patents: 005>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
AU 9480060	A1	19950504	AU 9480060	A	19941017
JP 9505903	T2	19970610	JP 94511640	A	19941017
NZ 274934	A	19961028	NZ 274934	A	19941017
US 5729613	A	19980317	US 624547	A	19960415
WO 9510831	A1	19950420	WO 94NZ110	A	19941017 (BASIC)

Priority Data (No,Kind,Date):

NZ 248970 A 19931015
WO 94NZ110 W 19941017
NZ 274934 A 19941017

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9480060 A1 19950504
IMPROVEMENTS IN REVERBERATORS FOR USE IN WIDE BAND ASSISTED
REVERBERATION SYSTEMS (English)
Patent Assignee: IND RES LTD
Author (Inventor): POLETTI MARK
Priority (No,Kind,Date): NZ 248970 A 19931015; WO 94NZ110 W
19941017
Applic (No,Kind,Date): AU 9480060 A 19941017
IPC: * G10K-015/08; H04R-027/00
Derwent WPI Acc No: * G 95-161946
Language of Document: English

JAPAN (JP)

Patent (No,Kind,Date): JP 9505903 T2 19970610
Priority (No,Kind,Date): WO 94NZ110 W 19941017; NZ 248970 A
19931015
Applic (No,Kind,Date): JP 94511640 A 19941017
IPC: * G10K-015/12; H03H-017/08
Language of Document: Japanese

NEW ZEALAND (NZ)

Patent (No,Kind,Date): NZ 274934 A 19961028
REVERBERATORS FOR WIDE BAND ASSISTED REVERBERATION SYSTEM (English)
Patent Assignee: IND RESEARCH LTD
Author (Inventor): POLETTI MARK
Priority (No,Kind,Date): NZ 274934 A 19941017; NZ 248970 A
19931015
Applic (No,Kind,Date): NZ 274934 A 19941017
IPC: * G10K-015/12; H03H-017/04; H04R-027/00
Derwent WPI Acc No: * G 95-161946
Language of Document: English

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5729613 A 19980317
REVERBERATORS FOR USE IN WIDE BAND ASSISTED REVERBERATION SYSTEMS
(English)
Patent Assignee: IND RES LTD (NZ)

Author (Inventor): POLETTI MARK (NZ)
Priority (No,Kind,Date): NZ 248970 A 19931015; WO 94NZ110 W
19941017
Applic (No,Kind,Date): US 624547 A 19960415
National Class: * 381063000; 084630000
IPC: * H03G-003/00
Derwent WPI Acc No: * G 95-161946
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 96624547	A	19960415	US REF	CORRESPONDS TO PCT
			APPLICATION	(ENTSPRICHT PCT ANMELDUNG)
			WO 9510831	P
US 5729613	P	19931015	US AA	PRIORITY (PATENT)
			NZ 248970	A 19931015
US 5729613	P	19941017	US AA	PCT-APPLICATION (PCT-APPL.)
			WO 94NZ110	W 19941017
US 5729613	P	19960415	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 624547	A 19960415
US 5729613	P	19960521	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			INDUSTRIAL RESEARCH LIMITED	GRACEFIELD ROAD
			LOWER HUTT 6009, NEW ZEALAND ;	POLETTI, MARK
			: 19960411	
US 5729613	P	19980317	US A	PATENT
US 5729613	P	19980623	US CC	CERTIFICATE OF CORRECTION
US 5729613	P	20040210	US RF	REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)	
			DATE: 20031125	

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9510831 A1 19950420

IMPROVEMENTS IN REVERBERATORS FOR USE IN WIDE BAND ASSISTED
REVERBERATION SYSTEMS (English)

Patent Assignee: IND RES LTD (NZ); POLETTI MARK (NZ)

Author (Inventor): POLETTI MARK (NZ)

Priority (No,Kind,Date): NZ 248970 A 19931015

Applic (No,Kind,Date): WO 94NZ110 A 19941017

Designated States: (National) AM; AT; AU; BB; BG; BR; BY; CA; CH; CN;
CZ; DE; DK; EE; ES; FI; GB; GE; HU; JP; KE; KG; KP; KR; KZ; LK; LR;
LT; LU; LV; MD; MG; MN; MW; NL; NO; NZ; PL; PT; RO; RU; SD; SE; SI;
SK; TJ; TT; UA; US; UZ; VN (Regional) KE; MW; SD; SZ; AT; BE; CH;
DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG;
CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

Filing Details: WO 130000 With international search report; Before
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republished in the event of the receipt of the amendments

IPC: * G10K-015/08; H04R-027/00

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Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):

WO 9510831	P	19931015	WO AA	PRIORITY (PATENT)
			NZ 248970	A 19931015
WO 9510831	P	19941017	WO AE	APPLICATION DATA (APPL.
			DATA)	
			WO 94NZ110	A 19941017

WO 9510831	P	19950420	WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA US UZ VN
WO 9510831	P	19950420	WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
WO 9510831	P	19950420	WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9510831	P	19950615	WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO 9510831	P	19950719	WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9510831	P	19960415	WO ENP	ENTRY INTO THE NATIONAL PHASE IN: US 624547 A 19960415
WO 9510831	P	19960814	DE 8642/REG	WITHDRAWAL (ZURUECKNAHME)
WO 9510831	P	19970226	WO 122	EP: PCT APP. NOT ENT. EUROP. PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE EING.)
WO 9510831	P	19970615	WO NENP	NON-ENTRY INTO THE NATIONAL PHASE IN: CA